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NEWS	4	DEC 08	INPADOC: Legal Status data reloaded
NEWS	5	SEP 29	DISSABS now available on STN
NEWS	6	OCT 10	PCTFULL: Two new display fields added
NEWS	7	OCT 21	BIOSIS file reloaded and enhanced
NEWS	8	OCT 28	BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS	9	NOV 24	MSDS-CCOHS file reloaded
NEWS	10	DEC 08	CABA reloaded with left truncation
NEWS	11	DEC 08	IMS file names changed
NEWS	12	DEC 09	Experimental property data collected by CAS now available in REGISTRY
NEWS	13	DEC 09	STN Entry Date available for display in REGISTRY and CA/CAPLUS
NEWS	14	DEC 17	DGENE: Two new display fields added
NEWS	15	DEC 18	BIOTECHNO no longer updated
NEWS	16	DEC 19	CROPU no longer updated; subscriber discount no longer available
NEWS	17	DEC 22	Additional INPI reactions and pre-1907 documents added to CAS databases
NEWS	18	DEC 22	IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS	19	DEC 22	ABI-INFORM now available on STN
NEWS	20	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
NEWS	21	JAN 27	A new search aid, the Company Name Thesaurus, available in CA/CAPLUS
NEWS	22	FEB 05	German (DE) application and patent publication number format changes
NEWS	23	MAR 03	MEDLINE and LMEDLINE reloaded
NEWS	24	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	25	MAR 03	FRANCEPAT now available on STN
NEWS	26	MAR 29	Pharmaceutical Substances (PS) now available on STN
NEWS	27	MAR 29	WPIFV now available on STN
NEWS	28	MAR 29	No connect hour charges in WPIFV until May 1, 2004
NEWS	29	MAR 29	New monthly current-awareness alert (SDI) frequency in RAPRA
NEWS EXPRESS			MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004
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L1 ANSWER 1 OF 5 IFIPAT COPYRIGHT 2004 IFI on STN  
 AN 10555605 IFIPAT;IFIUDB;IFICDB  
 TITLE: SELECTIVE COX-2 INHIBITION FROM NON-EDIBLE PLANT  
 EXTRACTS  
 INVENTOR(S): Hummert; Susan L., Overland, MO, US  
 Obukowicz; Mark G., Kirkwood, MO, US  
 PATENT ASSIGNEE(S): Unassigned  
 AGENT: SENNIGER POWERS LEAVITT AND ROEDEL, ONE METROPOLITAN  
 SQUARE, 16TH FLOOR, ST LOUIS, MO, 63102, US

	NUMBER	PK	DATE
	-----	--	-----
PATENT INFORMATION:	US 2004062823	A1	20040401
APPLICATION INFORMATION:	US 2003-450488		20031008
	WO 2001-US48837		20011213
			20031008 PCT 371 date
			20031008 PCT 102(e) date
FAMILY INFORMATION:	US 2004062823		20040401
DOCUMENT TYPE:	Utility		
	Patent Application - First Publication		
FILE SEGMENT:	CHEMICAL		
	APPLICATION		
NUMBER OF CLAIMS:	51 3 Figure(s).		
	DESCRIPTION OF FIGURES:		

FIG. 1 depicts COX-2 greater-than COX-1 inhibition by an extract isolated from *Arisaema heterophyllum*.  
 FIG. 2 depicts COX-2 greater-than COX-1 inhibition by an extract isolated from *Mohonia fortunei*.  
 FIG. 3 depicts COX-2 greater-than COX-1 inhibition by an extract isolated from *Hydrastis canadensis*.

AB The present invention is directed toward a method for inhibiting COX-2 in an organism. In particular, the method is preferably directed toward selectively inhibiting COX-2 in an organism. The method comprises administering to the organism an organic extract isolated from a non-edible plant wherein such extract inhibits COX-2. A method to purify a composition that exhibits COX-2 inhibition and COX-2 selective inhibition from the organic extract is also provided. In addition, a method for treating and/or preventing COX-2 mediated inflammation or inflammation-associated disorders in an organism is provided.

CLMN 51 3 Figure(s).  
 FIG. 1 depicts COX-2 greater-than COX-1 inhibition by an extract isolated from *Arisaema heterophyllum*.  
 FIG. 2 depicts COX-2 greater-than COX-1 inhibition by an extract isolated from *Mohonia fortunei*.  
 FIG. 3 depicts COX-2 greater-than COX-1 inhibition by an extract isolated from *Hydrastis canadensis*.

L1 ANSWER 2 OF 5 IFIPAT COPYRIGHT 2004 IFI on STN  
 AN 10179139 IFIPAT;IFIUDB;IFICDB  
 TITLE: SELECTIVE COX-2 INHIBITION FROM NON-EDIBLE PLANT  
 EXTRACTS; EXTRACT OF ARALES, ASTERALES, CONIFERALES,  
 EQUISETALES, EUPHORBIALES, GERANIALES, LAMIALES,  
 LILLALES, PTERIDOPHYTA, RANALES, RHAMNALES, RUTALES,  
 SCROPHULARIALES, UMBELLALES, OR URTICALES.  
 INVENTOR(S): Hummert; Susan L., St. Ann, MO, US  
 Obukowicz; Mark G., Kirkwood, MO, US  
 PATENT ASSIGNEE(S): Pharmacia Corporation  
 AGENT: SENNIGER POWERS LEAVITT AND ROEDEL, ONE METROPOLITAN  
 SQUARE, 16TH FLOOR, ST LOUIS, MO 63102, US

	NUMBER	PK	DATE
PATENT INFORMATION:	US 2002122836	A1	20020905
APPLICATION INFORMATION:	US 2001-22320		20011213

	NUMBER	DATE
PRIORITY APPLN. INFO.:	US 2000-287547P	20001215 (Provisional)
FAMILY INFORMATION:	US 2002122836	20020905
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Patent Application - First Publication	
	CHEMICAL	
	APPLICATION	
NUMBER OF CLAIMS:	51 3 Figure(s).	
	DESCRIPTION OF FIGURES:	

FIG. 1 depicts COX-2 greater-than COX-1 inhibition by an extract isolated from *Arisaema heterophyllum*.

FIG. 2 depicts COX-2 greater-than COX-1 inhibition by an extract isolated from *Mohonia fortunei*.

FIG. 3 depicts COX-2 greater-than COX-1 inhibition by an extract isolated from *Hydrastis canadensis*.

AB The present invention is directed toward a method for inhibiting COX-2 in an organism. In particular, the method is preferably directed toward selectively inhibiting COX-2 in an organism. The method comprises administering to the organism an organic extract isolated from a non-edible plant wherein such extract inhibits COX-2. A method to purify a composition that exhibits COX-2 inhibition and COX-2 selective inhibition from the organic extract is also provided. In addition, a method for treating and/or preventing COX-2 mediated inflammation or inflammation-associated disorders in an organism is provided.

CLMN 51 3 Figure(s).  
 FIG. 1 depicts COX-2 greater-than COX-1 inhibition by an extract isolated from *Arisaema heterophyllum*.  
 FIG. 2 depicts COX-2 greater-than COX-1 inhibition by an extract isolated from *Mohonia fortunei*.  
 FIG. 3 depicts COX-2 greater-than COX-1 inhibition by an extract isolated from *Hydrastis canadensis*.

L1 ANSWER 3 OF 5 PROMT COPYRIGHT 2004 Gale Group on STN

ACCESSION NUMBER: 2001:1018471 PROMT  
 TITLE: [0] Manufacturers.  
 SOURCE: Health Products Business, (Nov 2001) Vol. 47, No. 11, pp.  
 44(11).  
 ISSN: ISSN: 0149-9602.  
 PUBLISHER: Cygnus Publishing  
 DOCUMENT TYPE: Newsletter  
 LANGUAGE: English  
 WORD COUNT: 14667

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AB M. BROWN & SONS

L1 ANSWER 4 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2004:82373 USPATFULL

TITLE: Selective cox-2 inhibition from non-edible plant extracts

INVENTOR(S): Obukowicz, Mark G., Kirkwood, MO, UNITED STATES  
Hummert, Susan L., Overland, MO, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004062823	A1	20040401
APPLICATION INFO.:	US 2003-450488	A1	20031008 (10)
	WO 2001-US48837		20011213
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	SENNIGER POWERS LEAVITT AND ROEDEL, ONE METROPOLITAN SQUARE, 16TH FLOOR, ST LOUIS, MO, 63102		
NUMBER OF CLAIMS:	51		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Page(s)		
LINE COUNT:	972		

AB The present invention is directed toward a method for inhibiting COX-2 in an organism. In particular, the method is preferably directed toward selectively inhibiting COX-2 in an organism. The method comprises administering to the organism an organic extract isolated from a non-edible plant wherein such extract inhibits COX-2. A method to purify a composition that exhibits COX-2 inhibition and COX-2 selective inhibition from the organic extract is also provided. In addition, a method for treating and/or preventing COX-2 mediated inflammation or inflammation-associated disorders in an organism is provided.

L1 ANSWER 5 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2002:227685 USPATFULL

TITLE: Selective COX-2 inhibition from non-edible plant extracts

INVENTOR(S): Obukowicz, Mark G., Kirkwood, MO, UNITED STATES  
Hummert, Susan L., St. Ann, MO, UNITED STATES

PATENT ASSIGNEE(S): Pharmacia Corporation (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002122836	A1	20020905
APPLICATION INFO.:	US 2001-22320	A1	20011213 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-287547P	20001215 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SENNIGER POWERS LEAVITT AND ROEDEL, ONE METROPOLITAN SQUARE, 16TH FLOOR, ST LOUIS, MO, 63102	
NUMBER OF CLAIMS:	51	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Page(s)	
LINE COUNT:	975	

AB The present invention is directed toward a method for inhibiting COX-2 in an organism. In particular, the method is preferably directed toward selectively inhibiting COX-2 in an organism. The method comprises administering to the organism an organic extract isolated from a non-edible plant wherein such extract inhibits COX-2. A method to purify a composition that exhibits COX-2 inhibition and COX-2 selective inhibition from the organic extract is also provided. In addition, a method for treating and/or preventing COX-2 mediated inflammation or



inflammation-associated disorders in an organism is provided.

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Search:

L14





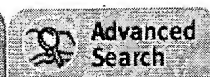
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<u>L13</u>	L3 and l4	0	<u>L13</u>
<u>L12</u>	L1 and l5	0	<u>L12</u>
<u>L11</u>	l1 and l4	0	<u>L11</u>
<u>L10</u>	(l1 or l3) and (l4 or l5)	0	<u>L10</u>
<u>L9</u>	L8 same (l5)	4	<u>L9</u>
<u>L8</u>	(barberry or berberis vulgaris)	253	<u>L8</u>
<u>L7</u>	l3 and (l4 or L5)	0	<u>L7</u>
<u>L6</u>	l1 and (l4 or L5)	0	<u>L6</u>
<u>L5</u>	cox\$	125119	<u>L5</u>
<u>L4</u>	cox-2	1480	<u>L4</u>
<u>L3</u>	oregon grape	18	<u>L3</u>
<u>L2</u>	L1 same cox\$	0	<u>L2</u>
<u>L1</u>	Mahonia	57	<u>L1</u>

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Drug Week. Atlanta: Oct 17, 2003. p. 137
- ☐ [Full text](#) [Abstract](#)
- 
- ☐ 2. **Comenius University, Bratislava; Jatrorrhizine shows promise as antifungal therapy**  
Biotech Week. Atlanta: Oct 15, 2003. p. 150
- ☐ [Full text](#) [Abstract](#)
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- ☐ 3. **Drug Development; Jatrorrhizine shows promise as antifungal therapy: [1]**  
TB & Outbreaks Weekly. Atlanta: Oct 14, 2003. p. 18
- ☐ [Full text](#) [Abstract](#)
- 
- ☐ 4. **Drug Development; Jatrorrhizine shows promise as antifungal therapy**  
Anti - Infectives Week. Atlanta: Oct 13, 2003. p. 4
- ☐ [Full text](#) [Abstract](#)
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- ☐ 5. **Drug Development; Jatrorrhizine shows promise as antifungal therapy: [2]**  
Health & Medicine Week. Atlanta: Oct 13, 2003. p. 243
- ☐ [Full text](#) [Abstract](#)
- 
- ☐ 6. **Both xanthophyll cycle-dependent thermal dissipation and the antioxidant system are up-regulated in grape (Vitis labrusca L. cv. Concord) leaves in response to N limitation**  
Li-Song Chen, Lailiang Cheng. Journal of Experimental Botany. Oxford: Sep 01, 2003. Vol. 54, Iss. 390; p. 2165
- ☐ [Article image - PDF](#) [Abstract](#)
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- ☐ 7. **Influence of temperature on biomass, iron metabolism and some related bioindicators in tomato and watermelon plants**  
Rosa M Rivero, Esteban Sanchez, Juan M Ruiz, Luis Romero. Journal of Plant Physiology. Stuttgart: Sep 2003. Vol. 160, Iss. 9; p. 1065
- ☐ [Text+Graphics](#) [Page Image - PDF](#) [Abstract](#)
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- ☐ 8. **The metabolic pathway of salicylic acid rather than of chlorogenic acid is involved in the stress-induced flowering of Pharbitis nil**  
Tomomi Hatayama, Kiyotoshi Takeno. Journal of Plant Physiology. Stuttgart: May 2003. Vol. 160, Iss. 5; p. 461
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- ☐ 9. **Alternate energy dissipation? Phenolic metabolites and the xanthophyll cycle**  
*Dugald C Close, Chris L Beadle. Journal of Plant Physiology. Stuttgart: Apr 2003. Vol. 160, Iss. 4; p. 431*


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- ☐ 10. **Antitussive activity of the fruit extract of *Emblica officinalis* Gaertn. (Euphorbiaceae)**  
*G Nosalova, J Mokry, K M Tareq Hassan. Phytomedicine. Stuttgart: 2003. Vol. 10, Iss. 6/7; p. 583*

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<b>Application Number (AP)</b>	91105606
<b>Title(TI)</b>	Method for extracting berberine from leaf of leatherleaf mahonia
<b>Abstract(AB)</b>	Method for extracting berberine from leaf of leatherleaf mahonia comprises slicing l soaking in weak sulphuric acid, adding the sodium chloride and zinc chloride, mixing precipitating to get crude berberine; adding saturated lime water, adjusting pH to 6 8.0, filtering, adjusting pH to 7.5-9.0 with NaOH, filtering, adjusting pH 4-5 with hyc eliminating zinc ion and impurity with (NH4)2S; adjusting pH to 2-3 with hydrochlo separating to get berberine crystal, washing berberine with water to adjust pH to 6. filtering, and drying to get fine product of berberine.
<b>Publication Number (PN)</b>	1069493
<b>Application Date(AD)</b>	1991-8-9
<b>Publicatin Date(PD)</b>	1993-3-3
<b>Applicant(PA)</b>	Liao Ziji
<b>Inventor(INR)</b>	Liao Ziji; Zhang Lan
<b>Applicant Address (ADDR)</b>	(650032)
<b>Attorney Agent</b>	LI SHIZHAO
<b>Agency Address</b>	(650021)Floor 12 of the Scientific and Technological Building, South Main Bridge, t Kunming, Yunnan Province
<b>Country/Province Code(PAC)</b>	CN 53 yunnan
<b>Main International Class(IC1)</b>	A61K009/00
<b>Secondary International Class (IC2)</b>	C07D455/00; A61K035/78
<b>Extraction Process (EXT)</b>	Berberine; Mahoniae extract; Weak sulphuric acid extraction
<b>Pharmsearch class (PHC)</b>	21 Process Intermediate;
<b>Formula Information</b>	

&gt;&gt;&gt;Print &gt;&gt;&gt;

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**Set Name Query**  
side by side**Hit Count Set Name**  
result set*DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ*

<u>L13</u>	yellowbutter cup	0	<u>L13</u>
<u>L12</u>	L11 same (cyclooxygenase\$ or cox\$)	0	<u>L12</u>
<u>L11</u>	goldenseal	109	<u>L11</u>
<u>L10</u>	L9 same (cyclooxygenase\$ or cox\$)	6	<u>L10</u>
<u>L9</u>	(ranale\$ or Ranunculaceae or annonaceae or berberidaceae or menispermaceae or myristicaceae or nymphaeaceae or lardizalaceae or lauraceae or calycanthaceae or ceratophyllaceae or cercidiphyllaceae)	1010	<u>L9</u>
<u>L8</u>	Mahonia same (cyclooxygenase\$ or cox\$)	1	<u>L8</u>
<u>L7</u>	L4 same (cyclooxygenase\$ or cox\$)	7	<u>L7</u>
<u>L6</u>	L4 same cox-2	4	<u>L6</u>
<u>L5</u>	L4 same l1	7	<u>L5</u>
<u>L4</u>	Ranale\$ or Beberidaceae or Ranunculaceae or Clematis or Hydrastis or Ranunculus	1281	<u>L4</u>
<u>L3</u>	L2 same (Ranale\$ or Beberidaceae or Ranunculaceae or Clematis or Hydrastis or Ranunculus)	4	<u>L3</u>
<u>L2</u>	(cyclooxygenase-2 or cox-2)	2794	<u>L2</u>
<u>L1</u>	(cyclooxygenase\$ or cox-2)	6647	<u>L1</u>

END OF SEARCH HISTORY